Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, Vermont

Year	Coal	Natural Gas [a]	Petroleum							Hydro-electric Power [f,g]	Biomass		Geo-thermal [g]	Solar [g,j]	Retail Electricity Sales	Net Energy [g,k]	Electrical System Energy Losses [l]	Total [g,k]
			Distillate Fuel Oil	HGL [b]	Jet Fuel [c]	Motor Gasoline [d]	Residual Fuel Oil	Other [e]	Total		Wood and Waste [g,h]	Losses and Co-products [i]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatt-hours					Million Kilowatt-hours			
1960	118	0	2,949	404	82	3,332	477	1,178	8,421	64	--	--	--	--	875	--	--	--
1970	32	3	5,474	542	121	5,077	882	898	12,994	62	--	--	--	--	2,612	--	--	--
1980	13	4	4,050	666	137	5,437	471	506	11,267	70	--	--	--	--	3,951	--	--	--
1990	8	6	4,558	1,401	180	6,696	237	419	13,491	17	--	--	--	--	4,716	--	--	--
2000	1	9	5,116	1,769	144	8,394	309	721	16,454	20	--	--	--	--	5,639	--	--	--
2001	2	8	5,284	2,425	120	8,021	241	806	16,897	16	--	--	--	--	5,585	--	--	--
2002	1	8	4,835	2,352	65	8,164	253	466	16,135	16	--	--	--	--	5,629	--	--	--
2003	1	8	5,351	1,867	68	8,304	292	530	16,412	6	--	--	--	--	5,352	--	--	--
2004	1	9	5,816	1,987	309	8,407	297	1,037	17,854	21	--	--	--	--	5,664	--	--	--
2005	1	8	5,181	2,234	423	8,408	300	693	17,239	21	--	--	--	--	5,883	--	--	--
2006	1	8	5,077	2,288	376	8,406	260	591	16,998	22	--	--	--	--	5,795	--	--	--
2007	1	9	4,909	2,152	317	8,354	238	689	16,659	2	--	--	--	--	5,864	--	--	--
2008	0	9	4,414	2,263	266	7,987	226	227	15,383	21	--	--	--	--	5,741	--	--	--
2009	0	9	4,804	2,423	512	7,964	194	854	16,751	25	--	--	--	--	5,497	--	--	--
2010	0	8	4,602	2,353	222	7,866	157	R 1,024	R 16,224	25	--	--	--	--	5,595	--	--	--
2011	0	9	4,785	2,191	231	7,618	149	R 919	R 15,894	24	--	--	--	--	5,550	--	--	--
2012	0	8	4,225	2,353	229	7,409	93	R 850	R 15,159	23	--	--	--	--	5,511	--	--	--
2013	0	10	4,380	2,673	228	7,549	127	R 930	R 15,887	0	--	--	--	--	5,588	--	--	--
2014	0	11	4,589	2,795	216	7,465	85	R 927	R 16,078	0	--	--	--	--	5,570	--	--	--
2015	0	12	5,087	2,783	257	R 7,417	44	R 897	R 16,485	0	--	--	--	--	5,521	--	--	--
2016	0	12	4,769	2,399	290	7,410	37	803	15,709	0	--	--	--	--	5,516	--	--	--
			Trillion Btu															
1960	3.0	0.0	17.2	1.6	0.4	17.5	3.0	6.9	46.6	0.7	7.9	NA	NA	NA	3.0	61.2	7.4	68.6
1970	0.8	2.7	31.9	2.1	0.7	26.7	5.5	5.4	72.2	0.6	6.5	NA	NA	NA	8.9	91.7	21.6	113.2
1980	0.3	3.7	23.6	2.5	0.8	28.6	3.0	2.9	61.3	0.7	13.9	NA	NA	NA	13.5	93.4	32.4	125.8
1990	0.2	6.0	26.6	5.4	1.0	35.2	1.5	2.4	72.0	0.2	4.3	0.0	0.0	(s)	16.1	98.7	27.4	126.1
2000	(s)	9.5	29.8	6.7	0.8	43.8	1.9	4.2	87.3	0.2	4.9	0.0	(s)	(s)	19.2	121.1	26.4	147.5
2001	0.1	7.9	30.7	9.2	0.7	41.8	1.5	4.9	88.8	0.2	4.1	0.0	(s)	(s)	19.1	120.0	27.8	147.8
2002	(s)	8.4	28.1	9.0	0.4	42.5	1.6	2.8	84.4	0.2	2.8	0.0	(s)	(s)	19.2	115.0	33.4	148.4
2003	(s)	8.4	31.1	7.1	0.4	43.2	1.8	3.1	86.8	0.1	2.8	0.0	(s)	(s)	18.3	116.4	34.6	151.1
2004	(s)	8.7	33.8	7.6	1.8	43.7	1.9	6.3	95.1	0.2	3.2	0.0	(s)	(s)	19.3	126.5	34.6	161.1
2005	(s)	8.4	30.1	8.5	2.4	43.7	1.9	4.1	90.7	0.2	6.8	0.0	(s)	(s)	20.1	126.2	33.5	159.7
2006	(s)	8.0	29.5	8.7	2.1	43.6	1.6	3.5	89.0	0.2	6.5	0.0	(s)	0.1	19.8	123.6	32.9	156.6
2007	(s)	8.8	28.4	8.2	1.8	43.1	1.5	4.2	87.2	(s)	6.0	0.0	(s)	0.1	20.0	122.2	32.7	154.9
2008	0.0	8.6	25.5	8.6	1.5	40.9	1.4	1.3	79.4	0.2	6.5	0.0	(s)	0.1	19.6	114.4	32.2	146.5
2009	0.0	8.6	27.8	9.3	2.9	40.6	1.2	5.4	87.2	0.2	11.2	0.0	(s)	0.1	18.8	126.1	30.7	156.8
2010	0.0	8.4	26.6	9.0	1.3	39.9	1.0	R 6.6	R 84.4	0.2	R 10.8	0.0	(s)	0.1	19.1	R 123.1	31.4	R 154.5
2011	0.0	8.6	27.6	8.4	1.3	38.6	0.9	R 5.9	R 82.8	0.2	R 9.4	0.0	(s)	0.2	18.9	R 120.2	30.6	R 150.8
2012	0.0	8.3	24.4	9.0	1.3	37.5	0.6	R 5.5	78.3	0.2	R 8.7	0.0	(s)	0.2	18.8	R 114.6	15.9	R 130.5
2013	0.0	9.7	25.3	10.3	1.3	38.2	0.8	R 6.0	81.8	0.0	R 11.6	0.0	(s)	0.3	19.1	R 122.6	14.9	R 137.4
2014	0.0	10.8	26.5	10.7	1.2	37.8	0.5	R 6.0	R 82.7	0.0	R 11.8	0.0	(s)	0.4	19.0	R 124.8	15.9	R 140.7
2015	0.0	12.2	29.3	10.7	1.5	R 37.5	0.3	R 5.8	R 85.1	0.0	R 9.3	0.0	(s)	0.6	18.8	R 126.0	6.7	R 132.8
2016	0.0	12.4	27.5	9.2	1.6	37.5	0.2	5.1	81.2	0.0	7.8	0.0	(s)	0.8	18.8	121.0	7.6	128.7

[a] Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[d] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[e] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

[f] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

[g] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[h] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[i] Losses and co-products from the production of fuel ethanol.

[j] Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and industrial utility-scale facilities.

[k] Beginning in 2009, includes wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.